

We claim:

Sub A1

1. A device for unfolding of folded boxes, comprising a magazine for receiving of flat folded-box sleeves, a removing device for the individual removal of the folded-box sleeves from the magazine and for feeding the folded-box sleeves to an unfolding device where the folded-box sleeves are unfolded along a compressing section, wherein the unfolding device has after the compressing section a chute for the precisely fitting receipt of the partially unfolded folded-box sleeves, an output device for removing the partially unfolded-box sleeves from the chute, and an expansion chamber following the chute for receiving the fully unfolded folded-box sleeves.

Sub B2

2. The device according to Claim 1, wherein the removing device has several arms with a suction head, and the arms can be moved by a drive and a planetary gearing along a cycloidal path.

3. The device according to Claim 1, wherein the compressing section is defined by a curved slide surface along which the folded-box sleeves can be moved.

4. The device according to Claim 1, wherein the output device has lugs each with a lug surface configured to align with a sidewall of the partially unfolded folded-box sleeves.

5. The device according to Claim 4, wherein an angle (α) in a range of 20 to 25 degrees is provided between each the lug surface and a normal to a strand of the output device.

6. The device according to Claim 1, wherein a first device to forward the fully unfolded folded-box sleeves is provided at the expansion chamber.

7. The device according to Claim 6, wherein the first device is operated at the same speed as a second device for the forwarding, which second device follows the output device.

8. The device according to Claim 7, wherein lugs of the two devices hold the unfolded boxes at diagonally opposite edges of the unfolded boxes.

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